



ENTERPRISE+

Splitters, Tappers, Hybrid Combiners
and Directional Couplers

Extended frequency range with consistent performance

Find splitters, tappers, hybrid combiners and directional couplers for a wide range of passive or active enterprise DAS applications.

Enterprise+ Series components support frequencies from 694 to 3800 MHz and are available with 4.3-10 or N-Type connectors, so they're ideal for commercial wireless networks and private LTE networks that leverage CBRS spectrum. Stable performance across the entire extended frequency range optimizes coverage and performance for multiband applications.

Guaranteed low PIM

Every Enterprise+ Series component is designed, tested and proven to maintain signal quality and reduce losses:

- Reactive splitters evenly split wireless signals with minimal reflections or losses
- Tappers unevenly split high-power RF signals in fixed ratios from 100:1 to 2:1 with minimal reflections or losses, and feature a patented design that ensures excellent input VSWR and coupling flatness across bands
- Directional couplers feature a tapered stripline design that provides highly directional signal distribution with minimal losses
- Hybrid couplers combine up to four wireless carriers in the band to a single antenna feed or distribution cable

Get the right performance, at the right price, from the brand you trust

All too often, signal distribution components are weak spots in enterprise networks. With low-PIM products out of budgetary reach, compromises must be made, and network performance suffers as a result.

Now those days are over. The Enterprise+ Series of passive components are purpose-built to deliver low-PIM performance at the right price for enterprise network budgets. And they're fully tested to verify they provide the quality, reliability and longevity Microlab products are known for.

KEY FEATURES AND BENEFITS

The ultimate combination of performance and price.

- **Support for enterprise DAS applications from 694 to 3800 MHz**
Increases flexibility and return on investment
- **Guaranteed low PIM**
Reduces losses to improve performance
- **Priced for enterprise network budgets**
Improves performance in a cost-effective way
- **Microlab quality and reliability**
Reduces risks, increases lifespan
- **IP65 rating**
Protects against quality degradation
- **4.3-10 and N-Type connectors**
Increases installation options
- **RoHS compliant**
Protects people and the environment from hazardous substances, improves regulatory compliance

Bring Microlab's renowned quality and reliability to commercial wireless and private LTE enterprise networks without breaking the budget

DIRECTIONAL COUPLERS

4.3-10 PART NUMBER	N-TYPE PART NUMBER	COUPLING VALUE (dB)	MAIN LOSS (dB)	ACCURACY (dB)
CC-EP-5-738FE	CC-EP-5-738FN	5	< 2.1	±0.8
CC-EP-6-738FE	CC-EP-6-738FN	6	< 1.8	±0.8
CC-EP-7-738FE	CC-EP-7-738FN	7	< 1.45	±0.8
CC-EP-8-738FE	CC-EP-8-738FN	8	< 1.3	±0.8
CC-EP-10-738FE	CC-EP-10-738FN	10	< 0.8	±1.0
CC-EP-13-738FE	CC-EP-13-738FN	13	< 0.8	±1.0
CC-EP-15-738FE	CC-EP-15-738FN	15	< 0.5	±1.0
CC-EP-20-738FE	CC-EP-20-738FN	20	< 0.4	±1.2
CC-EP-30-738FE	CC-EP-30-738FN	30	< 0.4	±1.3

HYBRID COMBINERS

4.3-10 PART NUMBER	N-TYPE PART NUMBER	COUPLING VALUE (dB)	PORTS	POWER
CM-EP-4X4-738FE	CM-EP-4X4-738FN	6.2 ± 1.4 @ 694 to 800 MHz 6.3 ± 1.2 @ 800 to 3800 MHz	4x4	4x200W
CA-EP-2X2-738FE	CA-EP-2X2-738FN	3.1 ± 0.9	2x2	2x200W

POWER SPLITTERS

4.3-10 PART NUMBER	N-TYPE PART NUMBER	NO. OF WAYS	SPLIT LOSS	INSERTION LOSS (dB)
D2-EP-738FE	D2-EP-738FN	2	3	< 0.4
D3-EP-738FE	D3-EP-738FN	3	4.8	< 0.6
D4-EP-738FE	D4-EP-738FN	4	6	< 0.6

TAPPERS (4.3-10)

PART NUMBER	RATIO	VALUE (dB)	MAIN LOSS (dB)	BRANCH LOSS (dB)	ACCURACY (dB)
DN-EP-3-738FE	2:1	3	2.2	4.8	±1.5
DN-EP-4.8-738FE	3:1	4.8	1.7	6.1	±1.5
DN-EP-6-738FE	4:1	6	1.3	7	±1.3
DN-EP-8-738FE	6:1	8	0.9	8.6	±1.3
DN-EP-10-738FE	10:1	10	0.6	10.4	±1.3
DN-EP-13-738FE	20:1	13	0.4	13.2	±1.3
DN-EP-15-738FE	30:1	15	0.3	15.1	±1.3
DN-EP-20-738FE	100:1	20	0.3	20.1	±1.3

TAPPERS (N-TYPE)

PART NUMBER	RATIO	VALUE (dB)	MAIN LOSS (dB)	BRANCH LOSS (dB)	ACCURACY (dB)
DN-EP-3-738FN	2:1	3	2.2	4.8	±1.5
DN-EP-4.8-738FN	3:1	4.8	1.7	6.1	±1.5
DN-EP-6-738FN	4:1	6	1.3	7	±1.3
DN-EP-8-738FN	6:1	8	0.9	8.6	±1.3
DN-EP-10-738FN	10:1	10	0.6	10.4	±1.3
DN-EP-13-738FN	20:1	13	0.4	13.2	±1.3
DN-EP-15-738FN	30:1	15	0.3	15.1	±1.3
DN-EP-20-738FN	100:1	20	0.3	20.1	±1.3

Date: March 2024 | Revision: B